

### **REMARKS/ARGUMENTS**

Applicant would like to thank the Examiner for the careful consideration given the present application. The application has been carefully reviewed in light of the Office action, and the following remarks are presented for the Examiner's consideration.

Claims 1-22 were rejected under 35 U.S.C. 103(a) over Applicant's admitted prior art (AAPA) in view of U.S. Patent No. 5,999,349 to Choi. For the following reasons, the rejection is respectfully traversed.

Regarding claims 1-3 and 8-22, neither AAPA nor Choi teaches or suggests that a tap coefficient monitoring unit changes the tap arrangement of said equalizing filter unit *so as to restart an equalizing step* for equalizing a reception signal, as required. The Examiner has acknowledged that AAPA does not teach a tap coefficient monitoring unit, as required. Thus, Choi is relied upon for teaching this limitation. As explained by the Examiner, Choi teaches an apparatus that provides new tap coefficients using predetermined initial tap coefficients from a selection circuit. Nothing in Choi, however, teaches that when the tap coefficients are updated, the an equalizing step is *restarted*, as presently claimed. In the presently claimed invention, when a tap coefficient is changed, the equalizing process is *restarted* so that the same reception signal is equalized a second time according to the new tap coefficient. In Choi, tap coefficients are updated and the new tap coefficients are used *from then on* to equalize the output signal (see column 8, lines 7-14). There is no disclosure or suggestion in Choi that once the tap coefficients are updated, the equalizing operation should be restarted and performed again on data that was already equalized using the old tap coefficients. Therefore, even if AAPA and Choi were combined, every limitation of the claimed invention would not taught or suggested.

In light of the foregoing, it is respectfully submitted that the present application is in a condition for allowance and notice to that effect is hereby requested. If it is determined that the

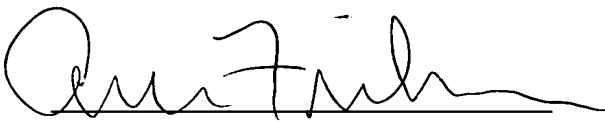
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application is not in a condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. 33152.

Respectfully submitted,

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